

2003 North Dakota YRBS Results

High School – Grades 9-12

Background Information

The Youth Risk Behavior Survey (YRBS) was developed by the Division of Adolescent and School Health, National Center for Chronic Disease Prevention and Health Promotion, and the Centers for Disease Control and Prevention in collaboration with several representatives from state and local health education agencies and other federal agencies.

The YRBS is designed to focus on behaviors related to the leading causes of death and disability among youth and young adults and to assess how these risk behaviors change over time. It is a self-reporting survey to measure priority health-risk behaviors that fall into six categories:

- behaviors that contribute to unintentional injuries and violence
- tobacco use
- alcohol and other drug use
- sexual behaviors that lead to unintended pregnancy and STDs, including HIV infection
- unhealthy dietary behaviors
- physical inactivity

These behaviors often are established during youth and extend into adulthood and are frequently interrelated. Most importantly, research indicates these behaviors are preventable.

The YRBS is conducted biannually in the Spring of odd years. Therefore, this study will be conducted again in the Spring of 2005, 2007, 2009, 2011, etc. ***To avoid the risk of overburdening your teachers and students with surveys, we strongly recommend that you reserve March and April of odd years for conducting the YRBS only!***

Methodology

The research process was designed to help (1) minimize bias in the selection process and (2) protect the privacy and confidentiality of all participating high school students. Therefore, Winkelman Consulting and your school adhered to the following procedures:

- Selection Process: The contact person from your school provided a list of all high school class sections held during a specific period of the day. The list included the number of high school students enrolled in each class section. Winkelman Consulting utilized a random-systematic sampling technique to select the classes that would participate in the study, using the methodology established by WESTAT, the national organization that oversees this study in all of the states in which it is being conducted.
- Survey Administration: During the administration of the survey, each participating student received an envelope in which they were to seal their completed survey before returning it to the teacher or survey administrator. The teacher or survey administrator then placed all sealed, completed surveys into the packet for that specific class, sealed the packet, and returned the sealed packet to the contact person for your school. All sealed packets were

2003 North Dakota YRBS Results High School – Grades 9-12

then mailed to Winkelman Consulting, where the packets and individual surveys were opened.

Surveys Completed for North Dakota High Schools as a part of the National YRBS

During the 2002-2003 school year, roughly 37,000 students attended high school (Grades 9-12) in North Dakota. The North Dakota YRBS was administered to 11,472 high school students (Grades 9-12) in North Dakota high schools during the Spring of 2003. The following table summarizes the sample distribution by gender and grade.

Gender		Grade	
Group	Number	Group	Number
Female	5,627	9th Grade	3,058
Male	5,816	10th Grade	2,976
No response	29	11th Grade	2,917
		12th Grade	2,461
		No response	60
TOTAL	11,472	TOTAL	11,472

Given the methodology, the responses of the high school students who participated in the survey can be used to make important inferences concerning the health-risk behaviors of all high school students in the state. The margin of error figures associated with the number of high school students that completed the survey in North Dakota are summarized in the next chart.

High School		Margin of Error for results at or about...				
Completed Surveys	Total Students	Minimum 10%/90%	20%/80%	30%/70%	40%/60%	Maximum 50%/50%
11,472	36,934	0.5%	0.6%	0.7%	0.7%	0.8%

Copyright © 2003 Winkelman Consulting

Please note that each question has a margin of error associated with it. Therefore, questions in which 80% to 90% of all respondents exhibit the same positive behavior (or negative behavior) will have a lower margin of error.

Executive Summary

The attached information provides the regional results for the 2003 North Dakota Youth Risk Behavior Survey (YRBS) of high school students (grades 9-12). The regional results presented in this summary were “weighted” by Winkelman Consulting, based on school size and region, to assure that the results reflect the proportion of high school students enrolled in “urban” and “rural” schools in each human service region in the state.

CDC will code, weight and generate the state results. As soon as they are available, they will be added to this report and an updated report will be posted on the Department of Public Instruction (www.dpi.state.nd.us) and State Department of Health (www.health.state.nd.us) web sites.

2003 North Dakota YRBS Results High School – Grades 9-12

The enclosed information provides five sets of tables with results for each of the following groups of high school students:

- All high school students grades 9-12
- 9th grade only
- 10th grade only
- 11th grade only
- 12th grade only

Each table provides several different columns of information. The columns are as follows:

- **Statewide data coded, weighted & analyzed by CDC**
- **Regional data coded, weighted & analyzed by Winkelman Consulting**
 - Urban vs. Rural
 - Urban: Includes the results for all schools from cities or school districts that have 1,000 or more students enrolled in grades K-12.
 - Rural: Includes the results for all schools from cities or school districts that have fewer than 1,000 students enrolled in grades K-12.
 - Regions (*see map on the next page*)
 - Region 1: Includes the results for all schools within Human Service Region 1.
 - Region 2: Includes the results for all schools within Human Service Region 2.
 - Region 3: Includes the results for all schools within Human Service Region 3.
 - Region 4: Includes the results for all schools within Human Service Region 4.
 - Region 5: Includes the results for all schools within Human Service Region 5.
 - Region 6: Includes the results for all schools within Human Service Region 6.
 - Region 7: Includes the results for all schools within Human Service Region 7.
 - Region 8: Includes the results for all schools within Human Service Region 8.

This report is being provided to all schools that participated in the 2003 YRBS. Due to federal and state confidentiality requirements, local YRBS results will be provided **only** to local schools that meet the following criteria:

- Minimum student segment size is 25. Minimum student segment size means countable YRBS survey forms.
- For a particular school to receive a report, there must be at least 25 countable surveys (Grades 9-12) within that school.
 - For individual questions, your school's results for that question will be reported only if six or more students report the behavior being measured.
- For additional analysis or cross-tabs by grade, gender, etc., there must be at least 25 countable surveys in each grade segment, gender segment, etc. If a grade or gender segment does not have 25 countable surveys, data can be collapsed to attain the minimum student segment size. For example, if Grade 10 had seventeen countable surveys and Grade 11 had twenty-two countable surveys, a segment that combines Grades 10-11 could be presented in a cross-tab.
- If a school does not have 25 countable surveys, only the regional and urban/rural results will be reported.

If you have any questions about the enclosed information or desire additional detail, please feel free to contact Mark Winkelman at Winkelman Consulting via email (MRWinkelman@prodigy.net) or telephone (701-237-2283).

2003 North Dakota YRBS Results
High School – Grades 9-12

Human Service Regions

★ Indicates Regional Office

